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DATE MAILED: 01/24/2005

APPLICATION NO.		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/731,269	1	12/08/2003	Anand Murthy	42P17811	4724	
8791	7590	01/24/2005		EXAM	INER	
		OFF TAYLOR &	NHU, I	NHU, DAVID		
12400 WILS SEVENTH I		ULEVARD	ART UNIT	PAPER NUMBER		
LOS ANGE	LES, CA	90025-1030	2818			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)						
		10/731,269		MURTHY ET AL.						
	Office Action Summary	Examiner		Art Unit						
		David Nhu		2818						
Period fo	The MAILING DATE of this communication a or Reply	appears on the	cover sheet with the c	orrespondence ad	ldress					
THE after after If the Failu Any	ORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION asions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by state the period for reply within the set or extended period for reply will, by state the period for reply will be period for reply will, by state the period for reply will, by state	N. 1.136(a). In no ever reply within the statut od will apply and will tute, cause the appli	nt, however, may a reply be tim tory minimum of thirty (30) days expire SIX (6) MONTHS from cation to become ABANDONEI	ely filed s will be considered timel the mailing date of this c O (35 U.S.C. § 133).	ly. ommunication.					
Status										
1)⊠	1) Responsive to communication(s) filed on 14 December 2004.									
2a)□										
3)										
Dispositi	on of Claims									
5)□ 6)⊠ 7)□	 Claim(s) 1-46 is/are pending in the application. 4a) Of the above claim(s) 22-36 is/are withdrawn from consideration. □ Claim(s) is/are allowed. □ Claim(s) 1-21, 37-46 is/are rejected. □ Claim(s) is/are objected to. □ Claim(s) are subject to restriction and/or election requirement. 									
Applicat	ion Papers									
9) The specification is objected to by the Examiner.										
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.									
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority (under 35 U.S.C. § 119									
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure	ents have beer ents have beer riority docume eau (PCT Rule	n received. n received in Applicati nts have been receive e 17.2(a)).	on No ed in this National	Stage					
	* See the attached detailed Office action for a list of the certified copies not received.									
			8a	SIDE S						
Attachmen				-						
2)	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 tr No(s)/Mail Date	08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	O-152)					

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DETAILED ACTIONS

Claims Objection

1. Claims 4, 5, 40, 41, "the gate region between 25 and 200 angstroms" should be – the gate region between 25 angstroms and 200 angstroms--

"a vertical depth between 100 and 1500 angstroms" should be –a vertical depth between 100 angstroms and 1500 angstroms--

Claims 7, "wherein the silicon germanium alloy has a germanium composition between 5% and 50%" are not described/supported in the specifications.

Claim 9, "wherein the silicon germanium alloy has a germanium composite between 15% and 30%" are not described/supported in the specifications.

Claim 19, "wherein the doping concentration level is 1*10 /cm" are not described/supported in the specifications.

Claim 20, "a thickness between 50 and 200 angstroms" should be —a thickness between 50 angstroms and 200 angstroms--

Claim 37, "depositing a silicon germanium alloy in the source region and in the drain region wherein the silicon germanium alloy has a germanium composition between 15% and 30%; depositing the silicon germanium alloy in situ boron wherein the born has a doping concentration level of 1*10 /cm " are not described/supported in the specification

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Chau'700, Zhang'143, Yamazaki'543 are cited as of interest

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3. A shortened statutory period for response to this action is set to expired 3 (three) months and 0 (zero) day from the date of this letter. Failure to respond within the period for

response will cause the application to become abandoned (see 710.02 (b)).

4. Any inquiry concerning this communication on earlier communications from the examiner

should be directed to David Nhu, (571)272-1792. The examiner can normally be reached on

Monday-Friday from 7:30 AM to 5:00 PM. The examiner's supervisor, David Nelms can be

reached on (571)272-1787.

The fax phone number for the organization where this application or proceeding is assigned is

(703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should

be directed to the receptionist whose telephone number is (703)308-0956.

Information regarding the status of an application may be obtained from the patent application

information retrieval (PAIR) system. Status information for published applications may be

obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

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PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Nhu

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